Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	11 February 2026
Team ID	LTVIP2026TMIDS50285
Project Name	ShopSmart: Your Digital Grocery Store Experience
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Requirement Analysis & Setup	USN-1	Project setup, DB design, DFD, ER	2	High	All
Sprint-2	Authentication Module	USN-2	Registration, Login, Role-based access	1	High	All
Sprint-3	Product Module	USN-3	Add, Update, Delete, View products	2	Low	All
Sprint-4	Cart & Order Module	USN-4	Add to cart, Place order, Order history	2	Medium	All
Sprint-5	Admin Dashboard	USN-5	Manage products, Manage orders	1	High	All
Sprint-6	Testing & UI Enhancement	USN-6	Bug fixing, UI improvements, Final testing	2	High	All

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	10 Days	16 Dec 2025	25 Dec 2025	20	25 Dec 2025
Sprint-2	20	10 Days	27 Dec 2025	05 Jan 2026	20	05 Jan 2026
Sprint-3	20	10 Days	07 Jan 2026	16 Jan 2026	20	16 Jan 2026
Sprint-4	20	10 Days	18 Jan 2026	27 Jan 2026	20	27 Jan 2026
Sprint-5	20	10 Days	29 Jan 2026	07 Feb 2026	20	07 Feb 2026
Sprint-6	20	10 Days	09 Feb 2026	18 Feb 2026	20	18 Feb 2026

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:
https://www.atlassian.com/agile/project-management
https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software
https://www.atlassian.com/agile/tutorials/epics
https://www.atlassian.com/agile/tutorials/sprints
https://www.atlassian.com/agile/project-management/estimation
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